MOTOROLA

TALKABOUT®

User's Guide

FRS/ GMRS RECREATIONAL TWO-WAY RADIOS

KEM-PK10884

Model T6500, T6530, T6550

Contents

Safety and General Information **2**

FCC Licensing Information **10**

Control Buttons **11**

Getting Started **12**
- Installing the the AA Batteries **12**
- Installing the NiMH Battery Pack **12**
- Battery Meter **13**
- Attaching the Belt Clip **14**
- Removing the Belt Clip **14**
- Turning Your Radio On and Off **15**
- Setting the Volume **15**
- Setting a Channel **15**
- Channels and Frequencies **16**
- Weather Channels and Frequencies **16**

Talking and Listening **17**
- Talk Range **17**
- Monitor Button **17**

Special Features **18**
- Interference Eliminator Code **18**
- Push to Talk Timeout Timer **18**
- Locking the Keypad **19**
- Turning Keypad Tones Off/On **19**
- Enhanced Scanning **19**
- Advanced Scan **20**
- Handsfree Use Without Accessories (iVOX) **21**
- Handsfree Use With Accessories (VOX) **21**

Weather **22**
- Setting the Weather Channel **23**

Alerts **24**
- Channel Busy Indicator **24**
- Setting and Transmitting Call Tones **24**
- Transmitting a Talk Confirmation Tone **24**
- QT Noise Filtering **25**
- VibraCall® Alert **26**

Accessories **27**
- Using Audio Accessories **27**
- Setting the Sensitivity Level **27**

Patent Information **29**

Copyright Information **30**

Warranty **31**

Safety and General Information

Important Information on Safe and Efficient Operation
Read This Information Before Using Your Radio.

The information provided in this document supersedes the general safety information in user guides published prior to December 1, 2002.

Transmit and Receive Procedure

Your two-way radio contains a transmitter and a receiver. To control your exposure and ensure compliance with the general population/uncontrolled environment exposure limits, always adhere to the following procedure:

- Transmit no more than 50% of the time.
- To transmit (talk), press the Push to Talk (PTT) button.
- To receive calls, release the PTT button.

Transmitting 50% of the time, or less, is important because the radio generates measurable RF energy exposure only when transmitting (in terms of measuring standards compliance).

Exposure To Radio Frequency Energy

Your Motorola two-way radio complies with the following RF energy exposure standards and guidelines:

- United States Federal Communications Commission, Code of Federal Regulations; 47CFR part 2 sub-part J

- American National Standards Institute (ANSI) / Institute of Electrical and Electronic Engineers (IEEE) C95. 1-1992
- Institute of Electrical and Electronic Engineers (IEEE) C95.1-1999 Edition
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998
- Ministry of Health (Canada) Safety Code 6. Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the Frequency Range from 3 kHz to 300 GHz, 1999
- Australian Communications Authority Radiocommunications (Electromagnetic Radiation --- Human Exposure) Standard, 2003
- ANATEL ANNEX to Resolution No. 303 of July 2, 2002 "Regulation of limitation of exposure to electrical, magnetic and electromagnetic fields in the radio frequency range between 9 KHz and 300 GHz" and "Attachment to resolution # 303 from July 2, 2002"

To assure optimal radio performance and make sure human exposure to radio frequency electromagnetic energy is within the guidelines set forth in the above standards, always adhere to the following procedures.

Portable Radio Operation and EME Exposure

Antenna Care

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the radio and may violate FCC regulations.

DO NOT hold the antenna when the radio is "IN USE." Holding the antenna affects the effective range.

Two-way Radio Operation

When using your radio as a traditional two-way radio, **hold the radio in a vertical position with the microphone 1 to 2 inches (2.5 to 5 cm) away from the lips.**

Body-Worn Operation

To maintain compliance with FCC/Health Canada RF exposure guidelines, if you wear a radio on your body when transmitting, always place the radio in a Motorola-supplied or approved clip, holder, holster, case, or body harness for this product. Use of non-Motorola-approved accessories may exceed FCC/Health Canada RF exposure guidelines.

If you do not use one of the Motorola-supplied or approved body-worn accessories, and are not using the radio held in the normal use position, **ensure the radio and its antenna are at least 1 inch (2.5 cm) from your body when transmitting.**

Data Operation

If applicable, when using any data feature of the radio with or without an accessory cable, **position the radio and its antenna at least 1 inch (2.5 cm) from the body.**

Approved Accessories

For a list of approved Motorola accessories, visit our website at www.Motorola.com.

Electromagnetic Interference/Compatibility

Note: Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed, or otherwise configured for electromagnetic compatibility.

This device complies with part 15 of the FCC Rules. Operation is subject to the

following two conditions:

1. This device may not cause harmful interference; and
2. This device must accept any interference received, including interference that may cause undesired operation.

Facilities

To avoid electromagnetic interference and/or compatibility conflicts, turn off your radio in any facility where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.

Aircraft

When instructed to do so, turn off your radio when on board an aircraft. Any use of a radio must be in accordance with applicable regulations per airline crew instructions.

Medical Devices - Pacemakers

The Advanced Medical Technology Association recommends that a minimum separation of 6 inches (15 cm) be maintained between a handheld wireless radio and a pacemaker. These recommendations are consistent with the independent research by, and recommendations of the U.S. Food and Drug Administration.

Persons with pacemakers should:

- ALWAYS keep the radio more than 6 inches (15 cm) from their pacemaker when the radio is turned ON.
- Not carry the radio in the breast pocket.
- Use the ear opposite the pacemaker to minimize the potential for interference.
- Turn the radio OFF immediately if you have any reason to suspect that interference is taking place.

Medical Devices - Hearing Aids

Some digital wireless radios may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.

Safety and General Use While Driving

Check the laws and regulations on the use of radios in the area where you drive. Always obey them. When using your radio while driving, please:

- Give full attention to driving and to the road.
- Use hands-free operation, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.

Operational Warnings

For Vehicles with an Air Bag

Do not place a portable radio in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a portable radio is placed in the air bag deployment area and the air bag inflates, the radio may be propelled with great force and cause serious injury to occupants of the vehicle.

Potentially Explosive Atmospheres

Turn off your radio prior to entering any area with a potentially explosive atmosphere, unless it is a radio type especially qualified for use in such areas as "Intrinsically Safe."

Do not remove, install, or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

Note: The areas with potentially explosive atmospheres referred to above include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine. Areas with potentially explosive atmospheres are often but not always posted.

Blasting Caps and Areas

To avoid possible interference with blasting operations, turn off your radio when you are near electrical blasting caps, in a blasting area, or in areas posted: "Turn off two-way radio." Obey all signs and instructions.

Operational Cautions

Antennas

Do not use any portable radio that has a damaged antenna. If a damaged antenna comes into contact with your skin, a minor burn can result.

Batteries

All batteries can cause property damage and/or bodily injury such as burns if a conductive material such as jewelry, keys, or beaded chains touch exposed terminals. The conductive material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects.

Battery Charger Safety Instructions

Save these Instructions

1. Do not expose the charger to rain or snow.
2. Do not operate or disassemble the charger if it has received a sharp blow, or has been dropped or damaged in any way.
3. Never alter the AC cord or plug provided with the unit. If the plug will not fit the outlet, have the proper outlet installed by a qualified electrician. An improper condition can result in a risk of electric shock.
4. To reduce the risk of damage to the cord or plug, pull the plug rather than the cord when disconnecting the charger from the AC receptacle.
5. To reduce the risk of electric shock, unplug the charger from the outlet before attempting any maintenance or cleaning.
6. Use of an attachment not recommended or sold by Motorola may result in a risk of fire, electric shock, or personal injury.

7. Make sure the cord is located so it will not be stepped on, tripped over, or subjected to damage or stress.
8. An extension cord should not be used unless absolutely necessary. Use of an improper extension cord could result in a risk of fire and/or electric shock. If an extension cord must be used, make sure that:
   - The pins on the plug of the extension cord are the same number, size and shape as those on the plug of the charger.
   - The extension cord is properly wired and in good electrical condition.
   - The cord size is 18 AWG for lengths up to 100 feet, and 16 AWG for lengths up to 150 feet.
9. The supply cord of this charger cannot be replaced. If the cord is damaged, call Motorola Product Services at 1-800-353-2729 in USA or 1-888-390-6456 TTY (Text Telephone).

FCC Licensing Information

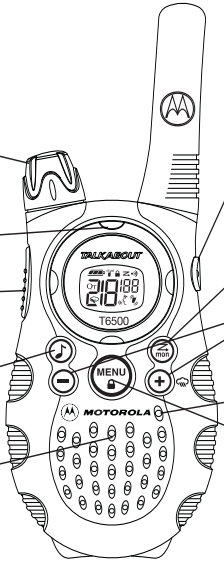
Your Motorola radio operates on General Mobile Radio Service (GMRS) frequencies and is subject to the Rules and Regulations of the Federal Communications Commission (FCC). The FCC requires that all operators using GMRS frequencies obtain a radio license before operating their equipment. To obtain the FCC forms, please request Form ***605*** and ***159***, which include all forms and instructions. If you wish to have the document faxed or mailed, or have questions, please use the following contact information.

Faxed Contact the Fax-On-Demand system at:	Mailed Call the FCC forms hotline at:	Questions Regarding FCC license Contact the FCC at:
1-202-418-0177	**1-800-418-FORM** **1-800-418-3676**	**1-888-CALL-FCC** **1-888-225-5322** **Or: http://www.fcc.gov**

Changes or modifications not expressly approved by Motorola may void the user's authority granted by the FCC to operate this radio and should not be made. To comply with FCC requirements, transmitter adjustments should be made only by or under the supervision of a person certified as technically qualified to perform transmitter maintenance and repairs in the private land mobile and fixed services as certified by an organization representative of the user of those services. Replacement of any transmitter component (crystal, semiconductor, etc.) not authorized by the FCC equipment authorization for this radio could violate FCC rules.

Note: Use of this radio outside the country where it was intended to be distributed is subject to government regulations and may be prohibited.

Control Buttons - Model T6500, T6530 and T6550



Use to:

- Turn radio on/off
- Adjust volume

LED Indicator Light

Use (PTT) (Push to Talk) to:

- Talk
- Save a setting

Use to:

- Transmit call tone

Speaker

Accessory Jack Cover

Use (mon) to:

- Monitor channel activity
- Activate enhanced scanning

Use (+) and (−) to:

- Scroll through menus

Microphone

Use (MENU) to:

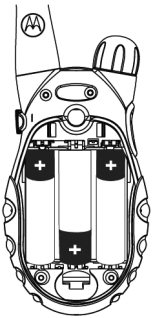
- Lock the keypad (when held down and not in a menu)

Getting Started

Installing the AA Batteries

Your radio uses 3 AA Alkaline batteries.

1. With the back of the radio facing you, lift the battery latch up to release the battery cover and remove the cover.
2. Insert 3 AA Alkaline batteries as shown on the inside of the battery compartment.
3. Reposition the battery cover and press down to secure.



Note: The T6500, T6530 and T6550 model radios can use a NiMH rechargeable battery instead of 3 AA Alkaline batteries. A rechargeable battery upgrade kit is available for these radios.

Installing the NiMH Battery Pack

1. Follow step 1 above to remove the battery cover.
2. Remove the battery pack from the clear plastic bag. **Do not disassemble or unwrap the battery pack.**
3. Insert the NiMH battery pack so the metal contacts on the side of the battery are facing outward from the radio to connect with the contacts on the battery door.
4. Reposition the battery cover and press down to secure.

Battery Meter

The battery icon shows the battery charge level, from full to empty . When the battery is empty, the radio chirps periodically after releasing PTT. The radio powers off when the voltage drops below a predetermined level to protect the rechargeable battery.

Note: Remove the batteries before storing your radio for extended periods of time. Batteries corrode over time and may cause permanent damage to your radio.

Using the Desk Stand Charger (Optional Accessory)

The desk stand charger provides drop-in charging convenience for NiMH batteries and can be placed on any flat surface, such as a desk or workbench. Charge the NiMH battery overnight (at least 16 hours) before using it for the first time. After the initial charge, an empty battery is fully charged within 14 hours.

1. Turn the radio off and remove the battery cover.
2. Remove the battery pack from the clear plastic bag. **Do not disassemble or unwrap the battery pack.**
3. Insert the NiMH battery pack so the metal contacts on the side of the battery are facing outward from the radio to connect with the contacts on the battery door.
4. Reposition the battery cover and press down to secure.
5. Plug the AC power supply into the plug on the desk stand.
6. Plug the AC power supply into a standard wall outlet.
7. Remove the battery pocket inserts from the charger pockets.
8. With a radio facing forward, slide it into one of the charging pockets.

Notes

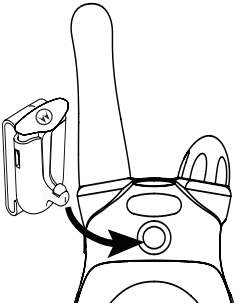
- The light on charging base will glow continuously when radio/battery is inserted.
- When moving between hot and cold temperatures, do not charge the battery until the battery temperature acclimates (usually about 20 minutes).
- For optimal battery life, remove the radio or battery from the charger within 16 hours. Do not store the radio in the charger.

Attaching the Belt Clip

1. Align the belt clip post with the hole in the back of the radio.
2. Gently push until the clip clicks into place.

Removing the Belt Clip

1. Push down on the release tab at the top of the belt clip to release the catch.
2. Pull the belt clip away from the back of the radio.



Turning Your Radio On and Off

Turn clockwise to turn the radio on and counterclockwise to turn the radio off. The radio chirps and the display briefly shows all feature icons available on your radio. The display then scrolls through the available channels and Interference Eliminator Codes.

Setting the Volume

Press and hold while rotating until you reach a comfortable listening level. Rotate clockwise to increase or counterclockwise to decrease the volume. Do not hold the radio close to your ear. If the volume is set to an uncomfortable level, it could hurt your ear.

Setting a Channel

Your radio has 22 channels. Channels 1-7 and 15-22 are 1 watt. Channels 8-14 are 0.5 watt. When the radio is on a 1 watt channel, displays. When the radio is on a 0.5 watt channel, displays.

1. With the radio on, press . The current channel flashes.
2. Press or to set the channel.
3. Press to save the channel setting.

Channels and Frequencies

Channel	Frequency	Description	Channel	Frequency	Description
1	462.5625 MHz	GMRS/FRS	12	467.6625 MHz	FRS
2	462.5875 MHz	GMRS/FRS	13	467.6875 MHz	FRS
3	462.6125 MHz	GMRS/FRS	14	467.7125 MHz	FRS
4	462.6375 MHz	GMRS/FRS	15	462.5500 MHz	GMRS
5	462.6625 MHz	GMRS/FRS	16	462.5750 MHz	GMRS
6	462.6875 MHz	GMRS/FRS	17	462.6000 MHz	GMRS
7	462.7125 MHz	GMRS/FRS	18	462.6250 MHz	GMRS
8	467.5625 MHz	FRS	19	462.6500 MHz	GMRS
9	467.5875 MHz	FRS	20	462.6750 MHz	GMRS
10	467.6125 MHz	FRS	21	462.7000 MHz	GMRS
11	467.6375 MHz	FRS	22	462.7250 MHz	GMRS

Weather Channels and Frequencies

Weather Channel	Frequency	Weather Channel	Frequency
WX1	162.550 MHz	WX5	162.450 MHz
WX2	162.400 MHz	WX6	162.500 MHz
WX3	162.475 MHz	WX7	162.525 MHz
WX4	163.425 MHz	WX8	162.275 MHz

Talking and Listening

To communicate, all radios in your group must be set to the same channel (1-22) and Interference Eliminator Code (0-99).

To talk, press and hold (PTT). Hold the radio 2 to 3 inches away from your mouth when talking. When you finish talking, release (press to talk, release (PTT) to listen).

Talk Range

Your radio is designed to maximize performance and improve transmission range. Do not use the radios closer than 5 feet apart.

Monitor Button

Pressing and holding (mon) for 3 seconds allows you to listen to the volume level of the radio when you are not receiving. This allows you to adjust the volume, if necessary. You can also use (mon) to check for activity on the current channel before you transmit (talk).

Special Features

Interference Eliminator Codes

Interference Eliminator Codes help minimize interference by providing a choice of code combinations. Your radio has 99 Interference Eliminator Codes. Codes 1-38 are the standard codes that appear on other FRS/GMRS radios. Codes 39-99 are additional digital codes added for superior interference protection.

To set the code for a channel:

1. Press MENU until the code starts to flash.
2. Press ⊕ or ⊖ to select the code.
3. Press PTT to save the code setting.

You can set a different code for each channel using this procedure. An extended press of ⊕ or ⊖ allow you to scroll through the Interference Eliminator Codes rapidly so you can quickly reach the code you want.

Note: You must set the Interference Eliminator Code to 0 on a radio that uses Interference Eliminator Codes to communicate with radios that do not have Interference Eliminator Codes.

Push to Talk Timeout Timer

To prevent accidental transmissions and save battery life, the radio emits a continuous warning tone and stops transmitting if you press PTT for 60 continuous seconds.

Locking the Keypad

To avoid accidentally changing your radio settings, press and hold MENU for 3 seconds or until 🔒 displays. You can turn the radio on and off, adjust the volume, receive, transmit, send a call tone, and monitor channels. All other functions are locked. To unlock the radio, press and hold MENU for 3 seconds or until 🔒 is no longer displayed.

Turning Keypad Tones Off & On

Your radio contains keypad tones and are turned on by default.

- To turn keypad tones off, press and hold the ⊖ while you turn the radio on.
- To turn the keypad tones on again, press and hold the ⊖ while you turn the radio on.

Enhanced Scanning

Scanning is used to:

- Monitor Channels and codes for transmissions and lock in on one that interests you.
- Find someone in your group who has accidentally changed channels and is talking during your scan.

With enhanced scanning, your home channel is scanned more frequently than any other channel. The home channel is the channel your radio was set to when you started to scan. If you activate scan while your radio's Interference Eliminator Code is set to a number between 1 and 99, the radio checks for activity on each channel, but only in the specific code selected. All transmissions using code 0 or any other code are ignored.

To start scanning, briefly press and release (mon). The scan indicator displays and the radio begins to scroll through the channel and Interference Eliminator Code combinations.

When the radio detects activity, it stops scanning and you can hear the transmission on that channel. To respond and talk to the person transmitting, press (PTT) within 5 seconds.

To stop scanning, briefly press and release (mon).

Note: If you press (PTT) while the radio is scanning, the radio transmit on the channel you selected before you activated scan. If no transmission occurs within 5 seconds, scanning will resume.

Advanced Scan

If the radio stops scanning on a channel you do not want to listen to, briefly press and release (+) or (−) to resume scanning for the next active channel.

Removing Channels from the Scan List (Nuisance Delete Feature)

To prevent the radio from scanning a channel, press and hold (+) or (−) for at least 3 seconds, then release, when the scan first stops on that channel. This temporarily removes the channel from the scan list. Press (mon) to exit scan mode. Press (mon) a second time to activate scan again. To restore a previously deleted channel, turn the radio off and then back on. The channel is now restored.

Note: You cannot remove your home channel from the scan list. The home channel is the channel your radio was set to when you started the scanning.

Handsfree Use Without Accessories (iVox)

You can use the iVox feature to transmit handsfree without the need for any voice activation (VOX) accessories. Once iVOX is turned on, the radio detects your voice and transmits when you speak.

1. Turn the radio off.
2. Turn the radio on while pressing PTT. displays.
3. To temporarily disable iVox, press PTT. flashes intermittently.
4. To turn off iVox, turn the radio off.

Handsfree Use With Accessories (VOX)

You can transmit handsfree with the use of optional accessories. Once VOX is turned on, the radio detects your voice and transmits when you speak.

1. Turn the radio off and plug the VOX accessory into the accessory port (see page 11 for accessory port location).
2. Turn the volume down, then turn the radio on. flashes on the display.
3. Adjust the volume appropriately by rotating .

Note: There is a short delay between the time you start talking and when the radio transmits. There is a short delay before the transmission is completed.

To turn VOX off, press PTT or remove the audio accessory.

Weather

Your radio can tune in to broadcasts by the United States National Oceanic and Atmospheric Administration (NOAA) Weather Radio and Environment Canada Weatheradio.

You can listen to a weather channel or set your radio to alert you to emergency weather broadcasts that interrupt routine broadcasts. When you listen to weather channel, you cannot use your radio in scan mode or for two-way communications.

Both NOAA and Environment Canada have transmitters located throughout the United States and Canada, respectively. These transmitters broadcast watches, forecasts, and other information 24 hours a day.

Note: NOAA weather radio stations are assigned to cover specific areas and service may be limited. Please check with your local weather office for frequency and details, or visit www.nws.noaa.gov/nwr in the US or www.msc-smc.ec.gc.ca/cd/factsheets/wxradio in Canada to view the appropriate transmitter for your area. The use of the NOAA logo does not provide an endorsement or implied endorsement by NOAA's National Weather Service, nor does the use of the Weatheradio logo provide an endorsement or implied endorsement by Environment Canada.

Turning Weather Channel Reception On and Off

To turn weather reception on, press and hold ⊕ for 3 seconds. To turn off, press ⊕ or turn the radio off and then back on.

Setting the Weather Channel

Your radio receives 8 weather frequencies (see page 16).

1. After turning weather reception on, press MENU. The current channel flashes.
2. Press + or − to select the channel.
3. Press PTT to save the weather channel setting.

Setting the Weather Alert

1. After turning weather reception on, Press MENU twice Y or − displays
2. Press + or − to select Y (ON). If you activate Weather Alert and return to two–way mode, will display.
3. Press PTT to save the weather alert setting.

As with two-way radio reception, weather channel reception depends on how close you are to a transmitter and whether you are indoors or outdoors. Because weather channels are transmitted without codes, they may contain static or noise.

Alerts

Channel Busy Indicator

When a channel is busy, the LED flashes twice per second.

Setting and Transmitting Call Tones

Your radio has 10 different call tones that you can transmit to other radios in your group to alert them that you want to talk.

To set a call tone:

1. With the radio on, press MENU 3 times. The current call tone setting flashes and CA displays.
2. Press + or − to change and hear the call tone.
3. Press MENU or PTT to set the new call tone.

To transmit your call tone to other radios set to the same channel and Interference Eliminator Code as your radio, press ♪ .

Note: Setting the call tone to 0 disables the call tone feature.

Transmitting a Talk Confirmation Tone

You can set your radio to transmit a unique tone when you finish transmitting. It is like saying *Roger* or *Over* to let others know you are finished talking.

- To turn talk confirmation on, press and hold + while you turn the radio on. When you release PTT after transmitting, your confirmation tone transmits and •)) displays.
- To turn talk confirmation off, turn your radio off and then back on while pressing and holding + .

QT Noise Filtering

The QT noise filtering feature helps ensure uninterrupted communication with other Motorola radios that have this feature. This feature filters out unwanted transmissions from other radios. It is useful in places where there is heavy radio traffic, such as at an amusement park or ski resort.

Note: QT noise filtering is not available while the radio is scanning.

To turn QT noise filtering on or off:

1. Press MENU until QT displays.
2. Press + or − until 4 displays to turn noise filtering on, or until – displays to turn noise filtering off.
3. Press MENU or PTT to confirm your selection.

To transmit to a radio that has QT noise filtering turned on:

1. Select the same channel and Interference Eliminator Code as the other radio.
2. Press PTT or ♪ to send a call tone. This allows your voice to pass through the QT noise filter on the receiving radio.
3. Press PTT and speak normally.

Note: If you skip step 2 or have your call tone set to 0, the beginning of your message may not be heard on the receiving radio.
For a 30-second period starting after the last transmission, all transmissions received on the selected channel and code will pass through the QT noise filter.

VibraCall® Alert

VibraCall is a vibrating alert that notifies you that your radio is receiving a message. This is useful in noisy environments. When the alert is on, the radio vibrates once every 30 seconds when you receive a message on the channel and code you set.

- To turn vibrating alerts on, press MENU until is displayed, then press + to display 4.
- To turn vibrating alerts off, press − until – is displayed in the same menu.

Accessories

There are many accessories (sold separately) available for your radio. For more information, refer to the brochure included with your radio, contact the place of purchase.

Using Audio Accessories

1. Turn the radio off, lift the accessory jack cover, then plug the audio accessory into the accessory port (see page 11 for accessory port location).
2. Turn the radio on. Lower the volume before placing the accessory on your head or in your ear.
3. Press (mon) while rotating to adjust the volume to a comfortable level.
4. To transmit, press (PTT) and speak into the accessory microphone, if any.
5. To receive, release (PTT).

Setting the Sensitivity Level

Adjusting the radio's sensitivity level helps minimize the possibility of unintended noises triggering a transmission and helps the radio pick up soft voices.

1. Make sure radio is on
2. Press (MENU) until displays.
3. Press (+) or (−) to select the sensitivity level:

= **High Sensitivity** for quiet environments	= **Medium Sensitivity** for most environments	= **Low Sensitivity** for noisy environments

When you connect a VOX accessory, the radio is automatically set to the last chosen sensitivity level.

Note: If iVox is activated while setting the sensitivity level, a I is displayed above «{ . If VOX is activated while setting the sensitivity level, an E is displayed above «{ .

Patent Information

This product is manufactured under one or more of the following United States patents.

5896277 5894292 5864752 5699006 5742484 D408396 D399821 D387758 D389158 5894592 5893027 5789098 5734975 5861850 D395882 D383745 D389827 D389139 5929825 5926514 5953640 6071640 D413022 D416252 D416893 D433001

Export Law Assurances

This product is controlled under the export regulations of the United States of America and Canada. The Governments of the United States of America and Canada may restrict the exportation or re-exportation of this product to certain destinations. For further information contact the U.S. Department of Commerce or the Canadian Department of Foreign Affairs and International Trade.

Copyright Information

Manufactured, distributed or sold by Giant International Ltd., official licensee for this product. Motorola, the Motorola logo trademarks and the Motorola trade dress are owned by Motorola, Inc. and are used under license from Motorola, Inc. Please contact Giant International Ltd. at 800-638-5119 for questions/comments, warranty, support, or service related to this product. MOTOROLA and the Stylized M Logo are registered in the U.S. Patent & Trademark Office. All other product or service names are the property of their respective owners. © Motorola, Inc. 2005.

Limited Warranty for personal communications products, accessories and software purchased in the United States or Canada

What Does this Warranty Cover? Subject to the exclusions contained below, Giant International Ltd. warrants the Motorola branded wireless telephones, pagers, and consumer two-way radios that operate via Family Radio Service or General Mobile Radio Service that it manufactures ("Products"), the Motorola branded or certified accessories sold for use with these Products that it manufactures ("Accessories") and Motorola branded software contained on CD-Roms or other tangible media and sold for use with these Products that it manufactures ("Software") to be free from defects in materials and workmanship under normal consumer usage for the period(s) outlined below. This limited warranty is a consumer's exclusive remedy, and applies as follows to new Motorola branded Products, Accessories and oftware manufactured by Giant International Ltd., and purchased by consumers in the United States or Canada, which are accompanied by this written warranty:

Products Covered	Length of Coverage	Exclusions
A. Products and Accessories as defined above, unless otherwise provided for below.	**A. One (1) year** from the date of purchase by the first consumer purchaser of the product unless otherwise provided for below.	**Normal Wear and Tear.** Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage. **Batteries.** Only batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak are covered by this limited warranty.

Products Covered	Length of Coverage	Exclusions
1. Decorative Accessories and Cases. Decorative covers, bezels, PhoneWrap™ covers and cases.	**1. Limited lifetime warranty** for the lifetime of ownership by the first consumer purchaser of the product.	**Abuse & Misuse.** Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the Products or Accessories for commercial purposes or subjecting the Product or Accessory to abnormal usage or conditions; or (d) other acts which are not the fault of Motorola or (Giant International Ltd.), are excluded from coverage.
2. Monaural Headsets. Ear buds and boom headsets that transmit mono sound through a wired connection.	**2. Limited lifetime warranty** for the lifetime of ownership by the first consumer purchaser of the product.	
3. Consumer Two-Way Radio Accessories.	**3. Ninety (90) days** from the date of purchase by the first consumer purchaser of the product.	
4. Products and Accessories that are Repaired or Replaced.	**4. The balance of the original warranty or for ninety (90) days** from the date returned to the consumer, whichever is longer.	**Use of Non-Motorola branded Products and Accessories.** Defects or damage that result from the use of Non-Motorola branded or certified Products, Accessories, Software or other peripheral equipment are excluded from coverage.

Products Covered	Length of Coverage	Exclusions
		Unauthorized Service or Modification. Defects or damages resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way by someone other than Motorola, (Giant International Ltd.) or its authorized service centers, are excluded from coverage. **Altered Products.** Products or Accessories with (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Motorola branded housings, or parts, are excluded from coverage. **Communication Services.** Defects, damages, or the failure of Products, Accessories or Software due to any communication service or signal you may subscribe to or use with the Products Accessories or Software is excluded from coverage.

Products Covered	Length of Coverage	Exclusions
B. Software. Applies only to physical defects in the media that embodies the copy of the software (e.g. CD-ROM, or floppy disk).	**B. Ninety (90) days** from the date of purchase.	**Software Embodied in Physical Media.** No warranty is made that the software will meet your requirements or will work in combination with any hardware or software applications provided by third parties, that the operation of the software products will be uninterrupted or error free, or that all defects in the software products will be corrected. **Software NOT Embodied in Physical Media.** Software that is not embodied in physical media (e.g. software that is downloaded from the internet), is provided "as is" and without warranty. embodied in physical media (e.g. software that is downloaded from the internet), is provided "as is" and without warranty.

Who is Covered? This warranty extends only to the first consumer purchaser, and is not transferable.

What will Giant International Ltd. Do? Giant International Ltd., at its option, will at no charge repair, replace or refund the purchase price of any Products, Accessories or Software that does not conform to this warranty. We may use functionally equivalent reconditioned/refurbished/pre-owned or new Products, Accessories or parts. No data, software or applications added to your Product, Accessory or Software, including but not limited to personal contacts, games and ringer tones, will be reinstalled. To avoid losing such data, software and applications please create a back up prior to requesting service.

How to Obtain Warranty Service or Other Information?
To obtain service or information, please call:

USA	**Canada**
Two-Way Radios 1-800-638-5119	**Two-Way Radios 1-800-638-5119**
For **Accessories** and **Software**, please call the telephone number designated above for the product with which they are used.	

You will receive instructions on how to ship the Products, Accessories or Software, at your expense, to a Giant International Ltd. Authorized Repair Center. To obtain service, you must include: (a) a copy of your receipt, bill of sale or other comparable proof of purchase; (b) a written description of the problem; (c) the name of your service provider, if applicable; (d) the name and location of the installation facility (if applicable) and, most importantly; (e) your address and telephone number.

What Other Limitations are There? ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND

FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY, OTHERWISE THE REPAIR, REPLACEMENT, OR REFUND AS PROVIDED UNDER THIS EXPRESS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER, AND IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OF IMPLIED. IN NO EVENT SHALL MOTOROLA OR GIANT INTERNATIONAL LTD. BE LIABLE, WHETHER IN CONTRACT OR TORT (INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, ACCESSORY OR SOFTWARE, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA, SOFTWARE OR APPLICATIONS OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS, ACCESSORIES OR SOFTWARE TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

Some states and jurisdictions do not allow the limitation or exclusion of incidental or consequential damages, or limitation on the length of an implied warranty, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or from one jurisdiction to another.

Laws in the United States and other countries preserve for Motorola certain exclusive rights for copyrighted Motorola software such as the exclusive rights to reproduce and distribute copies of the Motorola software. Motorola software may only be copied into, used in, and redistributed with, the Products associated with such Motorola software. No other use, including without limitation disassembly of such Motorola software or exercise of the exclusive rights reserved for Motorola, is permitted.

- **22 Channels (8 GMRS, 7 GMRS/FRS, 7 FRS)**
  GMRS channels feature increased power for longer range. 14 channels ensure backward compatibility with FRS two-way radios.
- **99 Interference Eliminator Codes**
  38 standard codes plus 61 exclusive digital codes for superior interference protection.
- **QT Noise Filter**
  Filters out unwanted transmissions in heavy radio traffic areas.
- **VibraCall® Alert**
  Privately alerts you of an incoming call.
- **Handsfree Use (iVOX/VOX)**
  Voice activation lets you talk handsfree with or without optional accessories.
- **8 Weather Channels**
  Receive NOAA weather bulletins. Weather radio service may not be available in all areas. Check with your local weather office for details or visit www.nws.noaa.gov/nwr in the US or www.msc-smc.ec.gc.ca/cd/factsheets/wxradio in Canada. Use of the NOAA or Weatheradio logo does not provide endorsement or implied endorsement by NOAA's National Weather Service or Environment Canada.
- **Enhanced Scanning**
  Easily finds your group's channel and code by searching all possible combinations while your home channel is scanned most frequently.
- **Audible Call Tones**
  Multiple distinct ringing options so your group can identify who's calling.
- **Keypad Lock**
  Prevents your settings from being accidentally changed.
- **Low Battery Alert**
  Audible tone and visual display tell you when the battery is running down.
- **Illuminated Display**
  Easy to read your settings in dark places.
- **Motorola Quality**
  Shock, drop, and temperature tested to meet Motorola's high quality standards.
- **1 Year Limited Warranty**
  For a copy of this warranty prior to purchase, please ask your retailer.
- **User's Guide Included**

FRS/GMRS use approved in the US only; GMRS License Required.

WARNING CHOKING HAZARD
SMALL PARTS

Not for children under 3 years.
This product is not intended to be used as a toy or plaything.

Motorola, the Stylized M Logo, and other Motorola trademarks and trade dress are owned by Motorola, Inc. and are used under license from Motorola, Inc. MOTOROLA and the Stylized M Logo are registered in the U.S. Patent & Trademark Office. All other products or service names are the property of their respective owners. © Motorola, Inc. 2005.